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(84) Bestimmungsstaaten (*regional*): europäisches Patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).

**Veröffentlicht:**

— mit internationalem Recherchenbericht

(88) Veröffentlichungsdatum des internationalen  
Recherchenberichts:

13. Juni 2002

*Zur Erklärung der Zweibuchstaben-Codes und der anderen  
Abkürzungen wird auf die Erklärungen ("Guidance Notes on  
Codes and Abbreviations") am Anfang jeder regulären Ausgabe  
der PCT-Gazette verwiesen.*

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/DE 00/00631

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04B7/005

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 853 393 A (NIPPON TELEGRAPH & TELEPHONE) 15 July 1998 (1998-07-15)	1,4, 11-13, 15,16 2,17
Y	abstract; figures 2-4 column 1, line 45 -column 2, line 4 column 3, line 1 -column 4, line 47 --- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

19 January 2001

Date of mailing of the international search report

31 01. 2001

Name and mailing address of the ISA

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## INTERNATIONAL SEARCH REPORT

Inter. Appl. No.

PCT/DE 00/00631

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>HOLTZMAN J M: "ADAPTIVE MEASUREMENT INTERVALS FOR HANDOFFS"  PROCEEDINGS OF THE INTERNATIONAL CONFERENCE ON COMMUNICATIONS,US,NEW YORK, IEEE,  vol. -, 14 June 1992 (1992-06-14), pages 1032-1036, XP000326826  ISBN: 0-7803-0599-X  abstract  page 1032, right-hand column, line 18 - last line  page 1033, left-hand column, line 11 - line 40  page 1033, right-hand column, line 1 - line 14</p>	2,17
X	<p>WO 94 06218 A (ERICSSON TELEFON AB L M)  17 March 1994 (1994-03-17)  abstract; figures 2,6  page 3, line 1 -page 4, line 13</p>	1,3,4, 11,16
A	<p>DE 197 18 942 A (MOTOROLA INC)  13 November 1997 (1997-11-13)  abstract; figures 1,4  column 8, line 21 - line 59  column 17, line 40 - line 67</p>	1,2,5, 16,17
A	<p>WO 96 09696 A (LIIMATAINEN JUKKA ;NOKIA TELECOMMUNICATIONS OY (FI); JOLMA PETRI ( )  28 March 1996 (1996-03-28)  page 2, line 34 -page 3, line 13  page 4, line 25 - last line  page 6, line 21 - line 27</p>	1,2,4, 11,16,17
X	<p>EP 0 709 973 A (NIPPON TELEGRAPH &amp; TELEPHONE) 1 May 1996 (1996-05-01)  abstract; figures 5,9A,9B  column 2, line 32 - line 48  column 8, line 6 -column 9, line 8;  figures 6,7  column 10, line 17 - line 29; figure 10  column 11, line 14 - line 29; figures 13A,13B</p>	1,14
X	<p>US 5 778 030 A (BRUCKERT EUGENE J ET AL)  7 July 1998 (1998-07-07)  abstract  column 2, line 30 - line 43  column 5, line 17 - line 53; figures 4,5  column 6, line 54 - line 63; figure 6  column 8, line 13 - line 31</p>	1,14
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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/DE 00/00631

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	<p>US 5 745 520 A (STEWART KENNETH A ET AL)  28 April 1998 (1998-04-28)</p> <p>abstract  column 2, line 25 - line 62  column 6, line 5 - line 45; figure 4  -----</p>	<p>1</p> <p>14</p>

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/DE 00/00631

## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a)

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

See supplemental sheet FURTHER INFORMATION PCT/ISA/210.

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims: it is covered by claims Nos.:

Remark on Protest

☐  
☒

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/DE 00/00631

## FURTHER INFORMATION PCT/ISA/210

The International Searching Authority found that this International Application contains several inventions or groups of inventions, as follows:

1. Claims nos: 1-13, 14 (dep. on 2), 15-17

Determination of the temporal variance of the received signal and an inversely proportional adjustment to the averaging time for the mean value for the quality evaluation of the received signal. The quality evaluation can be based on a channel estimation, data detection or bit error rate. In addition, the adjustment value calculated from the mean value of the quality evaluation is applied to the desired value of an internal closed control.

2. Claims nos: 14 (dep. on 1)

Setting of the adjustment value calculated from the mean value of the quality evaluation to several possible values, in accordance with the size of the temporal variance.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DE 00/00631

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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